



**Dragados-Sisk**

In December 2010 a joint venture between Spanish construction firm, Dragados and John Sisk & Son, won the C305 contract to develop the Eastern Running Tunnels for the Crossrail project. The contract involves building the tunnels from Limmo Peninsula to Farringdon; Limmo Peninsula to Victoria Dock and Stepney Green to Pudding Mill Lane.

The proximity of McGrath's Materials Recycling Facility (MRF) at Barking was influential in the contractors' decision to select us to provide recycling of the waste generated by the initial site clearance and tunnelling phases.

We supply skips which are labelled to allow operatives to segregate materials at the Limmo Peninsula and Stepney sites into three waste streams - timber, rubber (tyres) and general waste - prior to collection and transportation to the MRF.

In April 2008 McGrath received £600k of funding from the Capital Support Programme of sustainability agency, the Waste Resources Action Programme (WRAP), to develop state-of-the-art facilities to reprocess rubber and timber materials at the Barking MRF.

All types of end-use tyres are segregated de-rimmed and the rubber is shredded for use in equestrian arenas, playgrounds and as civil engineering in-fill. The metal rims and wires are recycled separately. The process is accredited to the industry standard PAS 107. McGrath are corporate members of the Tyre Recovery Association and the Tyre Industry Federation.

Timber re-processing involves removal of contaminants prior to the shredding of the wood which is either re-constituted as wood-chip for the building trade, as horticultural mulch or animal bedding or processed using waste-to-energy (WtE) technology depending upon its grade.

Our Zero-to-Landfill guarantee has helped Dragados-Sisk to surpass its initial target (90%) and its 'stretch target' (95%) to post an impressive 98% recycling for the Crossrail site clearance project at Limmo Peninsula.

The worksite, which is located off the Lower Lea Crossing at Canning Town, has achieved a sustainability 'exemplar' level under the Waste Resources Action Programme (WRAP).

**Client:**  
Dragados-Sisk

**Contract:**  
Crossrail (Limmo Peninsula)

**Duration:**  
Ongoing

**Start Date:**  
May 2011

**Value(to date):**  
£20k



McGrath's ability to recycle all of the tyre, timber and general waste has been a major factor in enabling us to exceed our targets and achieve the exemplar level. Their state-of-the-art recycling facilities are also located less than 5 miles from site which helps reduce transport time and fuel thereby helping to reduce the project's carbon footprint

Alan Young, Waste Manager, Dragados-Sisk

